

Abstract

Method and arrangement for taking up a first medium, which is present in a first phase, into a capillary device

In the capillary device, a reduced pressure is produced which is less than a critical pressure such that, if it is exerted in the capillary device, a surface tension which is produced by the first medium in the capillary device, when the first medium has been taken up fully by the capillary device, would be overcome so that a second medium which is present in a second phase, different from the first phase, would be taken up into the capillary device.

Significant Figure 5

List of References

100 arrangement

101 microtitre plate

102 well

103 further plate

104 pump

105 detail

201 analyte

202 pipette

203 lower plastic body

204 upper plastic body

205 intermediate plate

206 analysis chip

207 diaphragm

208 walls

209 upper chamber

210 space

211 first diaphragm position

212 second diaphragm position

213 buffer plate

214 lower chamber

401 pipette

402 well

403 analyte

404 arrow

405 lower region pipette

406 diaphragm

407 pore

501 pore opening

502 air

503 meniscus

The following publications are cited in this document:

[1] M. Winter, Robotik und Automationskonzepte in der kombinatorischen Chemie - Synthese- und Pipettierroboter [Robotics and automation designs in combinatorial chemistry - synthesis and pipetting robots] Transkript Laborwelt, No 1, pp 25 ? 29, 2000;

[2] A. Steel et al., The Flow-Thru Chip: A Three-Dimensional Biochip Platform, Microarray Biochip Technology, edited by M. Schena, pp 87 - 117, 2000;

[3] EP 0 296 348 B1